

## Ratings

Voltage: 300 V  
Temperature: -40~80 °C  
Flammability: FT2

## Conductor

Conductor count: 10  
Gauge: 26 AWG 0.15 mm<sup>2</sup>  
Material: bare copper strands  
Strand size:  $\phi 0.1 \times 19$  mm  
Resistance at 20 °C: 140  $\Omega$  /km max

## Insulator

Material: TPE 85A  
Color: red, black, white, yellow, blue, green, orange, purple, gray, brown  
Diameter:  $\phi 1 \pm 0.08$  mm  
Nominal thickness: 0.24mm  
Resistance at 20 °C: 100 M $\Omega$  /km min

## Wrap

Material: cotton paper

## Outer jacket

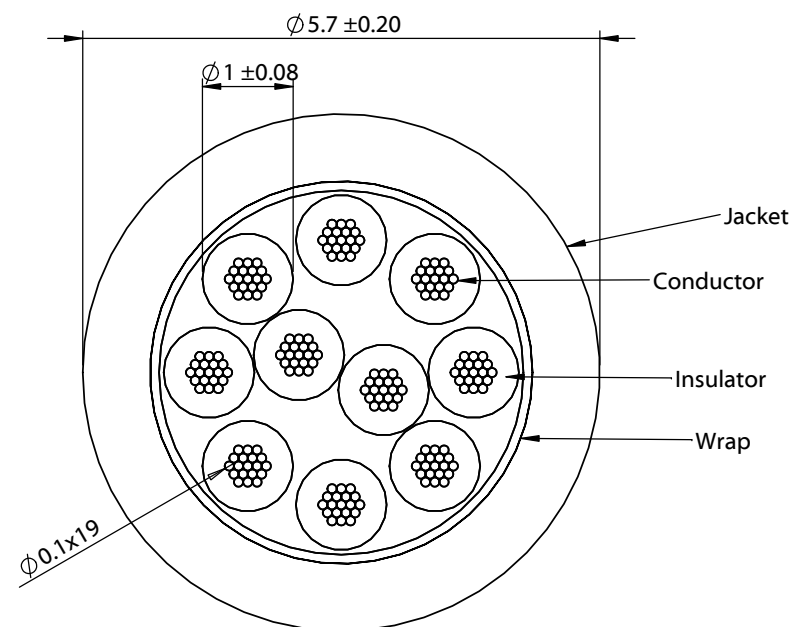
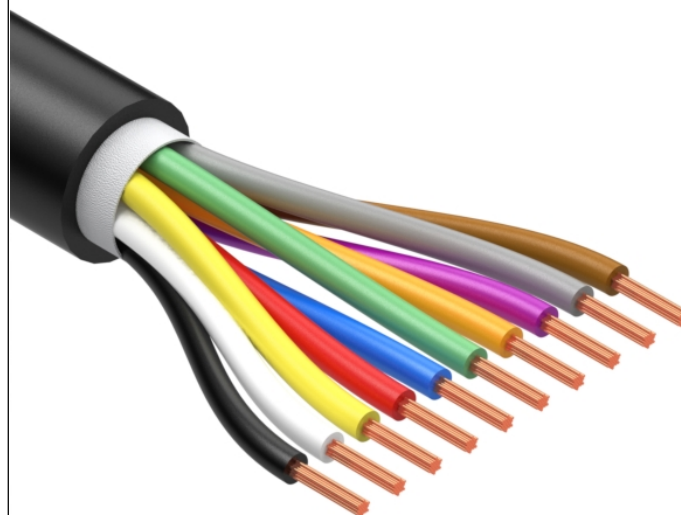
Material: TPU (Polyether Polyurethane) 80A  
Color: black  
Diameter:  $\phi 5.7 \pm 0.20$  mm  
Nominal thickness: 0.76mm

## Wire marking

E339579 UL AWM STYLE 20280 26 AWG 80°C 300V--- cUL  
AWM I/II A 80°C 300V FT2 TENSILITY

## Tests

Spark test: 3.0 kV  
Insulation tensile strength: 0.562 kgf/mm<sup>2</sup>  
Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
After aging at 113  $\pm 2$  °C for 7 days:  
Minimum jacket tensile strength 70 % original  
Minimum insulation tensile strength 75 % original  
Minimum jacket elongation 65 % original  
Minimum insulation elongation 75 % original  
Heat shock: 121  $\pm 1$  °C /1 hour, no observed degradation  
Deformation: 121  $\pm 1$  °C /1 hour,  $\leq 50$  %  
Cold bend: -10  $\pm 2$  °C /1 hour, no observed cracking  
Dielectric test: 2000 Vac for 1 minute without breakdown



|           |            |                 |                                                                            |                                                                            |                                                                                                 |  |              |
|-----------|------------|-----------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--|--------------|
| Revision: | Date:      | Description:    | Prepared:                                                                  | Notes:<br>RoHS compliant                                                   | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |  |              |
| A         | 11/09/2022 | Initial release | Verified:                                                                  | Phthalate and halogen free                                                 |                                                                                                 |  |              |
|           |            |                 | Dimensions are in millimeters.                                             | Function test: no open, no short circuit, no intermittent                  | Size: Part number:<br>A 30-02403                                                                |  |              |
|           |            |                 | Tolerances:<br>X: $\pm 0.5$ mm<br>X.X: $\pm 0.3$ mm<br>X.XX: $\pm 0.05$ mm | Description:<br>Wire, 10C BC, 26 AWG, UL20280, 300V, 80C, 5.7 mm, FT2, TPU |                                                                                                 |  |              |
|           |            |                 |                                                                            |                                                                            | Scale: 12:1                                                                                     |  | Sheet 1 of 1 |